AMENDMENT TO THE CLAIMS

(Original) A system for manufacturing a hard disk drive head slider comprising:
 an edge blending jig of an edge blending assembly to bond to a number of head sliders
 for edge blending, said edge blending by lapping tape, wherein

said edge blending jig is configured to receive a portion of lapping tape between each of a number of said sliders;

said edge blending jig is configured to allow said lapping tape to partially wrap an edge of each slider; and

said edge blending is performed by relative movement between said sliders and said lapping tape.

- 2. (Original) The system of claim 1, wherein said edge blending is by directional oscillation of said sliders with respect to said lapping tape.
- 3. (Original) The system of claim 2, wherein said oscillation of the sliders is at a frequency of at least 1 cycle per second.
- 4. (Original) The system of claim 2, wherein said oscillation of the sliders is at an amplitude of at least 10 millimeters.
- 5. (Original) The system of claim 2, wherein said slider oscillation is performed with a first angle (α) between a first face of the slider and the lapping tape and with a second angle (β)

between a second face of the slider and the lapping tape, said first angle and said second angle each being between 3 degrees and 90 degrees.

- 6. (Original) The system of claim 2, wherein said slider oscillation is performed with a portion of lapping tape partially wrapped around an edge of each slider under a tension force of at least 0.05 kilograms.
- 7. (Original) The system of claim 2, wherein said edge blending is performed with said sliders and said lapping tape submerged in a lubricant.
- 8. (Original) The system of claim 2, wherein said lapping tape has a lapping surface covered with an inorganic powder.
- 9. (Original) The system of claim 8, wherein said inorganic powder is diamond powder.
- 10. (Original) The system of claim 8, wherein said powder has a grade between 0.1 microns and 3.0 microns.
- 11. (Original) The system of claim 2, wherein said lapping tape has a thickness between 40 microns and 100 microns.
- 12. (Original) The system of claim 2, wherein said lapping tape is greater than 1.2 millimeters in width.

- 13. (Original) The system of claim 2, wherein a slider row bar is to be bonded to said edge blending jig, said row bar to be separated into individual head sliders upon the edge blending jig.
- 14. (Original) The system of claim 13, wherein said row bar is to be separated into individual sliders by a diamond cutting wheel.
- 15. (Original) The system of claim 2, wherein for a slider cleaning process said lapping tape is a rubber tape and said oscillation is performed with said sliders and said rubber tape submerged in a cleaning solution.
- 16. (Original) The system of claim 15, wherein said cleaning process is performed for at least 30 seconds.
- 17. (Original) The system of claim 2, wherein said lapping tape is a rubber tape and said oscillation is performed with said sliders and said rubber tape submerged in a diamond slurry.
- 18. (Original) A method for manufacturing a hard disk drive head slider comprising: inserting lapping tape between each of a number of head sliders bonded to a edge blending jig of an edge blending assembly;

adjusting said edge blending assembly to cause the lapping tape to partially wrap an edge of each slider; and

edge blending said head sliders by relative movement between said sliders and said lapping tape.

- 19. (Original) The method of claim 18, wherein said edge blending is by directional oscillation of said sliders with respect to said lapping tape.
- 20. (Original) The method of claim 19, wherein said oscillation of the sliders is at a frequency of at least 1 cycle per second and an amplitude of at least 10 millimeters.
- 21. (Original) The method of claim 19, wherein said slider oscillation is performed with a first angle (α) between a first face of the slider and the lapping tape and with a second angle (β) between a second face of the slider and the lapping tape, said first angle and said second angle each being between 3 degrees and 90 degrees.
- 22. (Original) The method of claim 19, wherein said slider oscillation is performed with a portion of lapping tape partially wrapped around an edge of each slider under a tension force of at least 0.05 kilograms.
- 23. (Original) The method of claim 19, wherein said edge blending is performed with said sliders and said lapping tape submerged in a lubricant.
- 24. (Original) The method of claim 19, wherein said lapping tape has a lapping surface covered with a diamond powder having a grade between 0.1 microns and 3.0 microns.
- 25. (Original) The method of claim 19, wherein said lapping tape has a thickness between 40 microns and 100 microns.

- 26. (Original) The method of claim 19, further comprising: bonding a head slider row bar to said edge blending jig; and separating said row bar into said number of head sliders.
- 27. (Original) The method of claim 26, wherein said separating said row bar is performed by a slider parting tool.
- 28. (Original) The method of claim 19, wherein for a slider cleaning process said lapping tape is a rubber tape and said oscillation is performed with said sliders and said rubber tape submerged in a cleaning solution.
- 29. (Original) The method of claim 28, wherein said cleaning process is performed for at least 30 seconds.
- 30. (Original) The method of claim 19, wherein said lapping tape is a rubber tape and said oscillation is performed with said sliders and said rubber tape submerged in a diamond slurry.
- 31. (Original) A method for manufacturing a hard disk drive head slider comprising:

 bonding a head slider row bar to a edge blending jig of an edge blending assembly;

 separating upon the edge blending jig the row bar into a number of head sliders;

 inserting lapping tape between each slider on the edge blending jig;

 adjusting said edge blending assembly to cause the lapping tape to partially wrap an edge of each slider; and

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edge blending said head sliders by motion oscillation of said sliders with respect to said lapping tape.